## SeqList(02-11-US).ST25.txt SEQUENCE LISTING

<120> Tumor Antigens BFA4 and BCY1 for Prevention and/or Treatment of Cancer

<130> API-02-11-US

<140> US 10/611,440

<141> 2003-07-01

<150> US 60/394,346

<151> 2002-07-03

<150> US 60/394,503

<151> 2002-07-09

<150> US 60/411,833

<151> 2002-09-18

<150> US 60/445,342

<151> 2003-02-06

<160> 218

<170> PatentIn version 3.2

<210> 1

<211> 3846

<212> DNA

<213> Homo sapiens

<400> 1

atggtccgga aaaagaaccc ccctctgaga aacgttgcaa gtgaaggcga gggccagatc 60 ctggagccta taggtacaga aagcaaggta tctggaaaga acaaagaatt ctctgcagat 120 cagatgtcag aaaatacgga tcagagtgat gctgcagaac taaatcataa ggaggaacat 180 agcttgcatg ttcaagatcc atcttctagc agtaagaagg acttgaaaag cgcagttctg 240 agtgagaagg ctggcttcaa ttatgaaagc cccagtaagg gaggaaactt tccctccttt 300 ccgcatgatg aggtgacaga cagaaatatg ttggctttct catttccagc tgctgggga 360 gtctgtgagc ccttgaagtc tccgcaaaga gcagaggcag atgaccctca agatatggcc 420 tgcacccct caggggactc actggagaca aaggaagatc agaagatgtc accaaaggct 480

acagaggaaa cagggcaagc acagagtggt caagccaatt gtcaaggttt gagcccagtt 540 600 tcagtggcct caaaaaaccc acaagtgcct tcagatgggg gtgtaagact gaataaatcc aaaactgact tactggtgaa tgacaaccca gacccggcac ctctgtctcc agagcttcag 660 720 qactttaaat gcaatatctg tggatatggt tactacggca acgaccccac agatctgatt aagcacttcc gaaagtatca cttaggactg cataaccgca ccaggcaaga tgctgagctg 780 gacagcaaaa tottggccct toataacatg gtgcagttca gccattccaa agacttccag 840 aaggtcaacc gttctgtgtt ttctggtgtg ctgcaggaca tcaattcttc aaggcctgtt 900 ttactaaatg ggacctatga tgtgcaggtg acttcaggtg gaacattcat tggcattgga 960 cggaaaacac cagattgcca agggaacacc aagtatttcc gctgtaaatt ctgcaatttc 1020 acttatatgg gcaactcatc caccgaatta gaacaacatt ttcttcagac tcacccaaac 1080 1140 aaaataaaag cttctctccc ctcctctgag gttgcaaaac cttcagagaa aaactctaac aagtccatcc ctgcacttca atccagtgat tctggagact tgggaaaatg gcaggacaag 1200 1260 ataacagtca aagcaggaga tgacactcct gttgggtact cagtgcccat aaagcccctc gattcctcta gacaaaatgg tacagaggcc accagttact actggtgtaa attttgtagt 1320 ttcagctgtg agtcatctag ctcacttaaa ctgctagaac attatggcaa gcagcacgga 1380 gcagtgcagt caggcggcct taatccagag ttaaatgata agctttccag gggctctgtc 1440 1500 attaatcaga atgatctagc caaaagttca gaaggagaga caatgaccaa gacagacaag agctcgagtg gggctaaaaa gaaggacttc tccagcaagg gagccgagga taatatggta 1560 acgagetata attgteagtt etgtgaette egatatteea aaageeatgg eeetgatgta 1620 1680 attgtagtgg ggccacttct ccgtcattat caacagctcc ataacattca caagtgtacc attaaacact gtccattctg tcccagagga ctttgcagcc cagaaaagca ccttggagaa 1740 attacttatc cgtttgcttg tagaaaaagt aattgttccc actgtgcact cttgcttctg 1800 1860 cacttgtctc ctggggcggc tggaagctcg cgagtcaaac atcagtgcca tcagtgttca ttcaccaccc ctgacgtaga tgtactcctc tttcactatg aaagtgtgca tgagtcccaa 1920 1980 gcatcggatg tcaaacaaga agcaaatcac ctgcaaggat cggatgggca gcagtctgtc aaggaaagca aagaacactc atgtaccaaa tgtgatttta ttacccaagt ggaagaagag 2040 atttcccgac actacaggag agcacacagc tgctacaaat gccgtcagtg cagttttaca 2100 gctgccgata ctcagtcact actggagcac ttcaacactg ttcactgcca ggaacaggac 2160

SeqList(02-11-US).ST25.txt

atcactacag ccaacggcga agaggacggt catgccatat ccaccatcaa agaggagccc

2220

aaaattgact	tcagggtcta	caatctgcta	actccagact	ctaaaatggg	agagccagtt	2280
tctgagagtg	tggtgaagag	agagaagctg	gaagagaagg	acgggctcaa	agagaaagtt	2340
tggaccgaga	gttccagtga	tgaccttcgc	aatgtgactt	ggagaggggc	agacatcctg	2400
cgggggagtc	cgtcatacac	ccaagcaagc	ctggggctgc	tgacgcctgt	gtctggcacc	2460
caagagcaga	caaagactct	aagggatagt	cccaatgtgg	aggccgccca	tctggcgcga	2520
cctatttatg	gcttggctgt	ggaaaccaag	ggattcctgc	agggggcgcc	agctggcgga	2580
gagaagtctg	gggccctccc	ccagcagtat	cctgcatcgg	gagaaaacaa	gtccaaggat.	2640
gaatcccagt	ccctgttacg	gaggcgtaga	ggctccggtg	ttttttgtgc	caattgcctg	2700
accacaaaga	cctctctctg	gcgaaagaat	gcaaatggcg	gatatgtatg	caacgcgtgt	2760
ggcctctacc	agaagcttca	ctcgactccc.	aggcctttaa	acatcattaa	acaaaacaac	2820
ggtgagcaga	ttattaggag	gagaacaaga	aagcgcctta	acccagaggc	acttcaggct	2880
gagcagctca	acaaacagca	gaggggcagc	aatgaggagc	aagtcaatgg	aagcccgtta	2940
gagaggaggt	cagaagatca	tctaactgaa	agtcaccaga	gagaaattcc	actccccagc	3000
ctaagtaaat	acgaagccca	gggttcattg	actaaaagcc	attctgctca	gcagccagtc	3060
ctggtcagcc	aaactctgga	tattcacaaa	aggatgcaac	ctttgcacat	tcagataaaa	3120
agtcctcagg	aaagtactgg	agatccagga	aatagttcat	ccgtatctga	agggaaagga	3180
agtitctgaga	gaggcagtcc	tatagaaaag	tacatgagac	ctgcgaaaca	cccaaattat	3240
tcaccaccag	gcagccctat	tgaaaagtac	cagtacccac	tttttggact	tccctttgta	3300
cataatgact	tccagagtga	agctgattgg	ctgcggttct	ggagtaaata	taagctctcc	3360
gttcctggga	atccgcacta	cttgagtcac	gtgcctggcc	taccaaatcc	ttgccaaaac	3420
tatgtgcctt	atcccacctt	caatctgcct	cctcattttt	cagctgttgg	atcagacaat ·	3480
gacattcctc	tagatttggc	gatcaagcat	tccagacctg	ggccaactgc	aaacggtgcc	3540
tccaaggaga	aaacgaaggc	accaccaaat	gtaaaaaatg	aaggtccctt	gaatgtagta	3600
aaaacagaga	aagttgatag	aagtactcaa	gatgaacttt	caacaaaatg	tgtgcactgt	3660
ggcattgtct	ttctggatga	agtgatgtat	gctttgcata	tgagttgcca	tggtgacagt	3720
ggacctttcc	agtgcagcat	atgccagcat	ctttgcacgg	acaaatatga	cttcacaaca <sub>.;</sub>	3780
catatccaga	ggggcctgca	taggaacaat	gcacaagtgg	aaaaaaatgg	aaaacctaaa	3840
gagtaa						3846

			•												
·							So	oT i a	- (02		rra) i	CEO E			
<21: <21:	2>	1281 PRT Homo	sap	iens			Sec	dnie			US).:		. LXL		
<40	0>:	2 .					•	-		i.				٠.	
Met 1	Val	Arg	Lys	Lys 5	Asn	Pro	Pro	Leu	Arg 10	Asn	Val <sup>-</sup>	Ala	Ser	Glu 15	Gly
Glu	Gly	Gln	Ile 20	Leu	Glu	Pro	Ile	Gly 25	Thr	Glu	Ser		Val 30	Ser	Gly
Lys	Asn	Lys 35	Glu	Phe	Ser	Ala	Asp 40	Gln	Met	Ser	Glu	Asn 45	Thr	Asp	Gln
Ser	Asp 50	Ala	Ala	Glu	Leu	Asn 55	His	Lys	Glu	Glu	His 60	.ser	Leu	His	Val
Gln 65	Asp	Pro	Ser	Ser	Ser 70	Ser	Lys	Lys	Asp	Leu 75	Lys	Ser	Ala	Val	Leu 80
Ser	Glu	Lys	Ala	Gly 85	Phe	Asn	Tyr	Glu	Ser 90	Pro	Ser	Lys	Gly	Gly 95	Asn
Phe	Pro	Ser	Phe 100	Pro	His	Asp	Glu	Val 105	Thr	Asp	Arg	Asn	Met 110	Leu	Ala
Phe	Ser	Phe 115	Pro	Ala	Ala	Gly	Gly 120	Val	Cys	Glu	Pro	Leu 125	Lys	Ser	Pro
	Arg 130	Ala	Glu	Ala	Asp	Asp 135	Pro	Gln	Asp	Met	Ala 140	Cys	Thr	Pro	Ser
Gly 145	Asp	Ser	Leu	Glu	Thr 150	Lys	Glu	Asp	Gln	Lys 155	Met	Ser	Pro	Lys	Ala 160
Thr	Glu	Glu	Thr	Gly 165		Ala	Gln	Ser	Gly 170	Gln	Àla	Asn	Cys	Gln 175	_

165 170 175

Leu Ser Pro Val Ser Val Ala Ser Lys Asn Pro Gln Val Pro Ser Asp 180 185 190

Gly Gly Val Arg Leu Asn Lys Ser Lys Thr Asp Leu Leu Val Asn Asp 195 200 205

Asn	Pro	Asp	Pro	Ala	Pro	Leu	Ser	Pro	Glu	Leu	Gln	Asp	Phe	Lys	Cys
	210					215					220				

Asn	Ile Cys	Gly Tyr	Gly	Tyr	Tyr	Gly	Asn	Asp	Pro	Thr	Asp	Leu	Ile
225			230		•			235					240

Lys His Phe Arg Lys Tyr His Leu Gly Leu His Asn Arg Thr Arg Gln 245 250 255

Asp Ala Glu Leu Asp Ser Lys Ile Leu Ala Leu His Asn Met Val Gln
260 265 270

Phe Ser His Ser Lys Asp Phe Gln Lys Val Asn Arg Ser Val Phe Ser 275 280 285

Gly Val Leu Gln Asp Ile Asn Ser Ser Arg Pro Val Leu Leu Asn Gly 290 295 300

Thr Tyr Asp Val Gln Val Thr Ser Gly Gly Thr Phe Ile Gly Ile Gly 305 310 315 320

Arg Lys Thr Pro Asp Cys Gln Gly Asn Thr Lys Tyr Phe Arg Cys Lys 325 330 335

Phe Cys Asn Phe Thr Tyr Met Gly Asn Ser Ser Thr Glu Leu Glu Gln 340 345 350

His Phe Leu Gln Thr His Pro Asn Lys Ile Lys Ala Ser Leu Pro Ser 355 360 365

Ser Glu Val Ala Lys Pro Ser Glu Lys Asn Ser Asn Lys Ser Ile Pro 370 375 380

Ala Leu Gln Ser Ser Asp Ser Gly Asp Leu Gly Lys Trp Gln Asp Lys 385 390 395 400

Ile Thr Val Lys Ala Gly Asp Asp Thr Pro Val Gly Tyr Ser Val Pro
405 410 415

Ile Lys Pro Leu Asp Ser Ser Arg Gln Asn Gly Thr Glu Ala Thr Ser 420 425 430

Tyr Tyr Trp Cys Lys Phe Cys Ser Phe Ser Cys Glu Ser Ser Ser Ser 445

Leu Lys Leu Leu Glu His Tyr Gly Lys Gln His Gly Ala Val Gln Ser 450 Gly Gly Leu Asn Pro Glu Leu Asn Asp Lys Leu Ser Arg Gly Ser Val 480 Ile Asn Gln Asn Asp Leu Ala Lys Ser Ser Glu Gly Glu Thr Met Thr 485 Thr Asp Lys Ser Ser Ser Gly Ala Lys Lys Lys Asp Phe Ser Ser Ser Ser Ser Ser Ser Ser Ser Se							•									
465	Leu	-	Leu	Leu	Glu	His		Gly	Lys	Gln	His	_	Ala	Val	Gln	Ser
Lys Thr Asp Lys Ser Ser Ser Gly Ala Lys Lys Lys Asp Phe Ser Ser Son Son Son Son Ser Ser Gly Ala Lys Lys Lys Asp Phe Ser Ser Son	_	Gly	Leu	Asn	Pro		Leu	Asn	Asp	Lys		Ser	Arg	Gly	Ser	
Lys Gly Ala Glu Asp Asn Met Val Thr Ser Tyr Asn Cys Gln Phe Cys 515 S10  Asp Phe Arg Tyr Ser Lys Ser His Gly Pro Asp Val Ile Val Val Gly 530	Ile	Asn	Gln		_	Leu	Ala	Lys	Ser		Glu	Gly	Glu	Thr		Thr
Asp Phe Arg Tyr Ser Lys Ser His Gly Pro Asp Val Ile Val Val Gly Fro Leu Leu Arg His Tyr Gln Gln Leu His Asn Ile His Lys Cys Thr 545  The Lys His Cys Pro Phe Cys Pro Arg Gly Leu Cys Ser Pro Glu Lys 565  His Leu Gly Glu Ile Thr Tyr Pro Phe Ala Cys Arg Lys Ser Asn Cys 580  Ser His Cys Ala Leu Leu Leu Leu His Leu Ser Pro Gly Ala Ala Gly 600  Ser Ser Arg Val Lys His Gln Cys His Gln Cys Ser Phe Thr Thr Pro 610  Asp Val Asp Val Leu Leu Phe His Tyr Glu Ser Val His Glu Ser Gln 640  Ala Ser Asp Val Lys Gln Glu Ala Asn His Leu Gln Gly Ser Asp Gly 655  Gln Gln Ser Val Lys Glu Ser Lys Glu His Ser Cys Thr Lys Cys Asp	Lys	Thr	Asp	_	Ser	Ser	Ser	Gly		Lys	Lys	Lys	Asp		Ser	Ser
Pro Leu Leu Arg His Tyr Gln Gln Leu His Asn Ile His Lys Cys Thr 545  Ile Lys His Cys Pro Phe Cys Pro Arg Gly Leu Cys Ser Pro Glu Lys 575  His Leu Gly Glu Ile Thr Tyr Pro Phe Ala Cys Arg Lys Ser Asn Cys 580  Ser His Cys Ala Leu Leu Leu Leu His Leu Ser Pro Gly Ala Ala Gly 595  Ser Ser Arg Val Lys His Gln Cys His Gln Cys Ser Phe Thr Thr Pro 610  Asp Val Asp Val Leu Leu Phe His Tyr Glu Ser Val His Glu Ser Gln 625  Gln Gln Ser Val Lys Glu Ser Lys Glu His Ser Cys Thr Lys Cys Asp	Lys	Gly		Gļu	Asp	Asn	Met		Thr	Ser	Tyr	Asn	_	Gln	Phe	Cys
Ile Lys His Cys Pro Phe Cys Pro Arg Gly Leu Cys Ser Pro Glu Lys 565  His Leu Gly Glu Ile Thr Tyr Pro Phe Ala Cys Arg Lys Ser Asn Cys 580  Ser His Cys Ala Leu Leu Leu Leu His Leu Ser Pro Gly Ala Ala Gly 595  Ser Ser Arg Val Lys His Gln Cys His Gln Cys Ser Phe Thr Thr Pro 610  Asp Val Asp Val Leu Leu Phe His Tyr Glu Ser Val His Glu Ser Gln 625  Ala Ser Asp Val Lys Gln Glu Ala Asn His Leu Gln Gly Ser Asp Gly 645  Gln Gln Ser Val Lys Glu Ser Lys Glu His Ser Cys Thr Lys Cys Asp	Asp		Arg	Tyr	Ser	Lys ·		His	Gly	Pro	Asp		Ile	Val	Val	Gly
His Leu Gly Glu Ile Thr Tyr Pro Phe Ala Cys Arg Lys Ser Asn Cys 580 Leu Leu Leu Leu His Leu Ser Pro Gly Ala Ala Gly 595 Ala Leu Leu Leu His Leu Ser Pro Gly Ala Ala Gly 600 Cys Ser Arg Val Lys His Gln Cys His Gln Cys Ser Phe Thr Thr Pro 610 Asp Val Asp Val Leu Leu Phe His Tyr Glu Ser Val His Glu Ser Gln 625 Ala Ser Asp Cys Gln Glo Ser Asp Gly 655 Gln Gln Ser Val Lys Glu Ser Lys Glu His Ser Cys Thr Lys Cys Asp		Leu	Leu	Arg	His	_	Gln	Gln	Leu	His		Ile	His	Lys	Cys	
Ser His Cys Ala Leu Leu Leu Leu His Leu Ser Pro Gly Ala Ala Gly 595  Ser Ser Arg Val Lys His Gln Cys His Gln Cys Ser Phe Thr Thr Pro 610  Asp Val Asp Val Leu Leu Phe His Tyr Glu Ser Val His Glu Ser Gln 625  Ala Ser Asp Val Lys Gln Glu Ala Asn His Leu Gln Gly Ser Asp Gly 645  Gln Gln Ser Val Lys Glu Ser Lys Glu His Ser Cys Thr Lys Cys Asp	Ile	Lys	His	Cys		Phe	Cys	Pro	Arg	_	Leu	Cys	Ser	Pro		Lys
Ser Ser Arg Val Lys His Gln Cys His Gln Cys Ser Phe Thr Thr Pro 610 Val Asp Val Leu Leu Phe His Tyr Glu Ser Val His Glu Ser Gln 640  Ala Ser Asp Val Lys Gln Glu Ala Asn His Leu Gln Gly Ser Asp Gly 655 Gln Gln Ser Val Lys Glu Ser Lys Glu His Ser Cys Thr Lys Cys Asp	His	Leu	Gly		Ile	Thr	Tyr	Pro		Ala	Cys	Arg	Lys		Asn	Cys
Asp Val Asp Val Leu Leu Phe His Tyr Glu Ser Val His Glu Ser Gln 625  Ala Ser Asp Val Lys Gln Glu Ala Asn His Leu Gln Gly Ser Asp Gly 645  Gln Gln Ser Val Lys Glu Ser Lys Glu His Ser Cys Thr Lys Cys Asp	Ser	His		Ala	Leu	Leu	Leu		His	Leu	Ser	Pro	_	Ala	Ala	Gly
625 630 635 640  Ala Ser Asp Val Lys Gln Glu Ala Asn His Leu Gln Gly Ser Asp Gly 645  Gln Gln Ser Val Lys Glu Ser Lys Glu His Ser Cys Thr Lys Cys Asp	Ser		_	Val	Lys	His		Cys	His	Gln	Cys		Phe	Thr	Thr	Pro
645 650 655  Gln Gln Ser Val Lys Glu Ser Lys Glu His Ser Cys Thr Lys Cys Asp	_	Val	Asp	Val	Leu		Phe	His	Tyr	Glu		Val	His	Glu	Ser	
	Ala	Ser	Asp	Val		Gln	Glu	Ala			Leu	Gln	Gly	Ser		Gly
	Gln	Gln	Ser		Lys	Glu	Ser	Lys		His	Ser	Cys	Thr		Cys	Asp

<b>Y</b>															
	*										•				
Phe	Ile	Thr 675	Gln	Val	Glu	Glu		AList Ile						Arg	Ala
His	Ser 690	Cys	Tyr	Lys	Cys	Arg 695	Gln	Cys	Ser	Phe	Thr 700	Ala	Ala	Asp	Thr
Gln 705	Ser	Leu	Leu	Glu	His 710	Phe	Asn	Thr	Val	His 715	Cys	Gln	Glu	Gln	Asp 720
Ile	Thr	Thr	Ala	Asn 725	Gly	Glu	Glu	Asp	Gly 730	His	Ala	Ile	Ser	Thr 735	Ile
Lys	Glu	Glu	Pro 740	Lys	Ile	Asp	Phe	Arg 745	Val	Tyr	Asn	Leu	Leu 750	Thr	Pro
Asp	Ser	Lys 755	Met	Gly	Glu	Pro	Val 760	Ser	Glu	Ser	Val	Val 765	Lys	Arg	Glu
Lys	Leu 770	Glu	Glu	Lys	Asp	Gly 775	Leu	Lys	Glu	Lys	Val 780	Trp	Thr	Glu	Ser
Ser 785	Ser	Asp	Asp	Leu	Arg 790	Asn	Val	Thr	Trp	Arg 795	Gly	Ala	Asp	Ile	Leu 800
Arg	Gly	Ser	Pro	Ser 805	Tyr	Thr	Gln	Ala	Ser 810	Leu	Gly	Leu	Leu	Thr 815	Pro
Val	Ser	Gly	Thr 820	Gln	Glu	Gln	Thr	Lys 825	Thr	Leu	Arg	Asp	Ser 830	Pro	Asn

Val Glu Ala Ala His Leu Ala Arg Pro Ile Tyr Gly Leu Ala Val Glu 835 840 845

Thr Lys Gly Phe Leu Gln Gly Ala Pro Ala Gly Gly Glu Lys Ser Gly 850 855 860

Ala Leu Pro Gln Gln Tyr Pro Ala Ser Gly Glu Asn Lys Ser Lys Asp 865 870 875 880

Glu Ser Gln Ser Leu Leu Arg Arg Arg Gly Ser Gly Val Phe Cys 885 890 895

Ala Asn Cys Leu Thr Thr Lys Thr Ser Leu Trp Arg Lys Asn Ala Asn 900 905 910

Gly Gly Tyr Val Cys Asn Ala Cys Gly Leu Tyr Gln Lys Leu His Ser 915 920 925

- Thr Pro Arg Pro Leu Asn Ile Ile Lys Gln Asn Asn Gly Glu Gln Ile 930 940
- Ile Arg Arg Arg Thr Arg Lys Arg Leu Asn Pro Glu Ala Leu Gln Ala 945 950 955 960
- Glu Gln Leu Asn Lys Gln Gln Arg Gly Ser Asn Glu Glu Gln Val Asn 965 970 975
- Gly Ser Pro Leu Glu Arg Arg Ser Glu Asp His Leu Thr Glu Ser His 980 985 990
- Gln Arg Glu Ile Pro Leu Pro Ser Leu Ser Lys Tyr Glu Ala Gln Gly 995 1000 1005
- Ser Leu Thr Lys Ser His Ser Ala Gln Gln Pro Val Leu Val Ser 1010 1015 1020
- Gln Thr Leu Asp Ile His Lys Arg Met Gln Pro Leu His Ile Gln 1025 1030 1035
- Ile Lys Ser Pro Gln Glu Ser Thr Gly Asp Pro Gly Asn Ser Ser 1040 1045 1050
- Ser Val Ser Glu Gly Lys Gly Ser Ser Glu Arg Gly Ser Pro Ile 1055 1060 1065
- Glu Lys Tyr Met Arg Pro Ala Lys His Pro Asn Tyr Ser Pro Pro 1070 1075 1080
- Gly Ser Pro Ile Glu Lys Tyr Gln Tyr Pro Leu Phe Gly Leu Pro 1085 1090 1095
- Phe Val His Asn Asp Phe Gln Ser Glu Ala Asp Trp Leu Arg Phe 1100 1105 1110
- Trp Ser Lys Tyr Lys Leu Ser Val Pro Gly Asn Pro His Tyr Leu 1115 1120 1125

# SeqList(02-11-US).ST25.txt Ser His Val Pro Gly Leu Pro Asn Pro Cys Gln Asn Tyr Val Pro 1135 1130 Tyr Pro Thr Phe Asn Leu Pro Pro His Phe Ser Ala Val Gly Ser 1150 Asp Asn Asp Ile Pro Leu Asp Leu Ala Ile Lys His Ser Arg Pro 1165 Gly Pro Thr Ala Asn Gly Ala Ser Lys Glu Lys Thr Lys Ala Pro 1175 1180 Pro Asn Val Lys Asn Glu Gly Pro Leu Asn Val Val Lys Thr Glu 1190 1195 Lys Val Asp Arg Ser Thr Gln Asp Glu Leu Ser Thr Lys Cys Val 1205 1210 1215 His Cys Gly Ile Val Phe Leu Asp Glu Val Met Tyr Ala Leu His 1225 1230 Met Ser Cys His Gly Asp Ser Gly Pro Phe Gln Cys Ser Ile Cys 1235 1240 1245 Gln His Leu Cys Thr Asp Lys Tyr Asp Phe Thr Thr His Ile Gln 1250 1255 1260 Arg Gly Leu His Arg Asn Asn Ala Gln Val Glu Lys Asn Gly Lys 1265 1270 1275 Pro Lys Glu 1280 <210> 3 <211> 1203 <212> DNA <213> Homo sapiens atggccgagc tgcgcctgaa gggcagcagc aacaccacgg agtgtgttcc cgtgcccacc teegageacg tggeegagat egtgggeagg caaggetgea agattaagge ettgagggee 120

180

240

aagaccaaca cctacatcaa gacaccggtg aggggcgagg aaccagtgtt catggtgaca

gggcgacggg aggacgtggc cacagcccgg cgggaaatca tctcagcagc ggagcacttc

		Segi	List(02-11-0	JS).ST25.txt		٠.
tccatgatcc	gtgcctcccg	_	•			300
cccggccagg	tgaccatccg	tgtgcgggtg	ccctaccgcg	tggtggggct	ggtggtgggc	360
cccaaagggg	caaccatcaa	gcgcatccag	çagcaaacca	acacatacat	tatcacacca	420
agccgtgacc	gcgaccccgt	gttcgagatc	acgggtgccc	caggcaacgt.	ggagcgtgcg	480
cgcgaggaga	tcgagacgca	catcgcggtg	cgcactggca	agatcctcga	gtacaacaat	540
gaaaacgact	tcctggcggg	gagccccgac	gcagcaatcg	atagccgcta	ctccgacgcc	600
tggcgggtgc	accagcccgg	ctgcaagccc	ctctccacct	tccggcagaa	cagcctgggc	660
tgcatcggcg	agtgcggagt	ggactctggc	tttgaggccc	cacgcctggg	tgagcagggc	720
ggggactttg	gctacggcgg	gtacctcttt	ccgggctatg	gcgtgggcaa	gcaggatgtg	780
tactacggcg	.tggccgagac	tagccccccg	ctgtgggcgg	gccaggagaa	cgccacgccc	840
acctccgtgc	tcttctcctc	tgcctcctcc	tcctcctcct	cttccgccaa	ggcccgcgct	900
gggcccccgg	gcgcacaccg	ctcccctgcc	acttccgcgg	gacccgagct	ggccggactc	960
ccgaggcgcc	ccccgggaga	gccgctccag	ggcttctcta	aacttggtgg	gggcggcctg	1020
cggagccccg	gcggcgggcg	ggattgcatg	gtctgctttg	agagcgaagt	gactgccgcc	1080
cttgtgccct	gcggacacaa	cctgttctgc	atggagtgtg	cagtacgcat	ctgcgagagg	1140
acggacccag	agtgtcccgt	ctgccacatc	acagccgcgc	aagccatccg	aatattctcc	1200
taa	•			•		1203
					•	8 4

<210> 4

<211> 400

<212> PRT

<213> Homo sapiens

# <400> 4

Met Ala Glu Leu Arg Leu Lys Gly Ser Ser Asn Thr Thr Glu Cys Val 1 5 10 15

Pro Val Pro Thr Ser Glu His Val Ala Glu Ile Val Gly Arg Gln Gly 20 25 30

Cys Lys Ile Lys Ala Leu Arg Ala Lys Thr Asn Thr Tyr Ile Lys Thr 35 40 45

Pro Val Arg Gly Glu Glu Pro Val Phe Met Val Thr Gly Arg Arg Glu 50 55 60

Asp Val	l Ala	Thr	Ala	Arg	Arg	Glu	Ile	Ile	Ser	Ala	Ala	Glu	His	Phe
65				70				-	75					80

Ser Met Ile Arg Ala Ser Arg Asn Lys Ser Gly Ala Ala Phe Gly Val 85 90 95

Ala Pro Ala Leu Pro Gly Gln Val Thr Ile Arg Val Arg Val Pro Tyr 100 105 110

Arg Val Val Gly Leu Val Val Gly Pro Lys Gly Ala Thr Ile Lys Arg 115 120 125

Ile Gln Gln Gln Thr Asn Thr Tyr Ile Ile Thr Pro Ser Arg Asp Arg 130 135 140

Asp Pro Val Phe Glu Ile Thr Gly Ala Pro Gly Asn Val Glu Arg Ala 145 150 155 160

Arg Glu Glu Ile Glu Thr His Ile Ala Val Arg Thr Gly Lys Ile Leu 165 170 175

Glu Tyr Asn Asn Glu Asn Asp Phe Leu Ala Gly Ser Pro Asp Ala Ala 180 185 190

Ile Asp Ser Arg Tyr Ser Asp Ala Trp Arg Val His Gln Pro Gly Cys
195 200 205

Lys Pro Leu Ser Thr Phe Arg Gln Asn Ser Leu Gly Cys Ile Gly Glu 210 215 220

Cys Gly Val Asp Ser Gly Phe Glu Ala Pro Arg Leu Gly Glu Gln Gly 225 230 235 240

Gly Asp Phe Gly Tyr Gly Gly Tyr Leu Phe Pro Gly Tyr Gly Val Gly 245 250 255

Lys Gln Asp Val Tyr Tyr Gly Val Ala Glu Thr Ser Pro Pro Leu Trp
260 265 270

Ala Gly Gln Glu Asn Ala Thr Pro Thr Ser Val Leu Phe Ser Ser Ala 275 280 285

Ser Ser Ser Ser Ser Ser Ala Lys Ala Arg Ala Gly Pro Pro Gly
290 295 300

										-						
	Ala	His	Arg	Ser	Pro	Ala	Thr	Ser	Ala	Glv	Pro	Glu	Leu	Ala	Gly	Leu
	305					310				-	315				•	320
, i	505		*.			3-0			:						٠.	
	•							-		•						
	•						•				•		•			•
	Pro	Arg	Arg	Pro	Pro	Gly	Glu	Pro	Leu	Gln	Gly	Phe:	Ser	Lys	Leu	Gly
					325	· .				330					335	
						, .									•	
			0								_	_	~			~
	Gly	Gly	Gly	Leu	Arg	Ser	Pro	GIA	GLY	GLY	Arg	Asp	Cys	Met	vaı	Cys
		٠.		340					345					350		
		. '														
	Db -	a1	0	<b>G1</b>	17- T	The se	77-	77-	T 011	170 1	Dwo	Crea	C111	ui a	7 an	T 011
	Pne	GIU	Ser	GIU	vaı	Inr	Ald		ьeu	Val	PIO	Cys		птъ	MSII	Leu
	•		355					360					365			
		,			•											
									Θ.							
•	Dhe	Cvs	Met	Glu	Cvs	Δla	Val	Ara	Tle	Cvs	Glu	Ara	Thr	Asp	Pro	Glu
				GIU	Cy3	hia		9	110	Cyb	OIG					014
	•	370					375					380				
				•							•			٠.		
	Cvs	Pro	Val	Cys	His	Ile	Thr	Ala	Ala	Gln	Ala	Ile	Arg	Ile	Phe	Ser
	385	٠.				390					395		_			400
	. 303					J							•			
											· ·					
	<210	)>	5					. *					•			
	<211	<b>-</b>	22			•										
	<212	>	PRT		٠.			•							•	
•	<213		Arti:	Ficia	٦.											
	. 213		ALCI.	LICI	<b>1</b>						•					
		٠.														
	<b>&lt;220</b>	)>	٠.													
	<223	3>	CLP :	2589						•						
,	-31		٠.	;									•			
	<400	) >	5	:												
			-								· .			•		
	<b>37- b</b>	77- 7		T	T	7	D	D	T	7	7	1707	77.	Cox	C1	C1
		vai	Arg	гĀЗ	гÀг	Asn	Pro	Pro	Leu		ASI	vai	Ата	ser		GIY
	1		•		5	•		:		10				:	15	
	•	. '														•
٠.	Glu	Glaz	Gln	Tle	Len	Glu										
	u_u	ULY.	0111		LCU	O_L u		-						-		
				20	•		•					-				
											• •					
								٠,		-			•			
	<210	)> '	6 .													
	<211		22													
			PRT		•			•								
	<212				-											
	<213	3> .	Arti:	IlCla	яT		•									•
								-								
	<220	)>					. •									
	<223		CLP :	2590											•	•
	-22.				:											
			_													
	<400	)>	6 .						-							
					•							•				
	Ser	Pro	Lys	Ala	Thr	Glu	Glu	Thr	Gly	Gln	Ala	Gln	Ser	Gly	Gln	Ala
	1		-		5				_	10		•		-	15	
					-										-	

```
Asn Cys Gln Gly Leu Ser
          20
<210> 7
<211> 22
<212> PRT
<213> Artificial
<220>
<223> CLP 2591
<400> 7
Val Ala Lys Pro Ser Glu Lys Asn Ser Asn Lys Ser Ile Pro Ala Leu
                                   10
Gln Ser Ser Asp Ser Gly
         20
<210> 8
<211> 22
<212> PRT
<213> Artificial
<220>
<223> CLP 2592
<400> 8
Asn His Leu Gln Gly Ser Asp Gly Gln Gln Ser Val Lys Glu Ser Lys
Glu His Ser Cys Thr Lys
           20
<210> 9
<211> 22
<212> PRT
<213> Artificial
<220>
<223> CLP 2593
<400> 9
Asn Gly Glu Gln Ile Ile Arg Arg Arg Thr Arg Lys Arg Leu Asn Pro
```

Glu Ala Leu Gln Ala Glu 20

# SeqList(02-11-US).ST25.txt <210> 10 <211> 23 <212> PRT <213> Artificial <220> <223> CLP 2594 <400> 10 Ala Asn Gly Ala Ser Lys Glu Lys Thr Lys Ala Pro Pro Asn Val Lys 1 5 10 15 Asn Glu Gly Pro Leu Asn Val 20

<210> 11 <211> 32 <212> DNA <213> Artificial

<223> Primer 7717
<400> 11

cgggatccac catggtccgg aaaaagaacc cc

<210> 12 <211> 35 <212> DNA <213> Artificial <220> <223> Primer 7723

<220>

<400> 12 cgggatccct ctttaggttt tccatttttt tccac

<210> 13
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2421
<400> 13

Met Val Arg Lys Lys Asn Pro Pro Leu 1 5

<210> 14 <211> 9

Page 14

32

35

# SeqList(02-11-US).ST25.txt <212> PRT <213> Artificial <220> <223> CLP-2422 <400> 14 Lys Lys Asn Pro Pro Leu Arg Asn Val 1 5 <210> 15 <211> 9 <212> PRT <213> Artificial

<220> <223> CLP-2423

<400> 15

<400> 16

Val Ala Ser Glu Gly Glu Gly Gln Ile

<210> 16 <211> 9 <212> PRT <213> Artificial <220> <223> CLP-2424

Gln Ile Leu Glu Pro Ile Gly Thr Glu

<210> 17
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2425
<400> 17

Arg Asn Met Leu Ala Phe Ser Phe Pro 1 5

<210> 18 <211> 9 <212> PRT <213> Artificial

```
<220>
<223> CLP-2426
<400> : 18
Asn Met Leu Ala Phe Ser Phe Pro Ala
<210> 19
<211> . 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2427
<400> 19
Met Leu Ala Phe Ser Phe Pro Ala Ala
<210>
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2428
<400>
       20
Phe Ser Phe Pro Ala Ala Gly Gly Val
<210> 21
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2429
<400> 21
Ala Ala Gly Gly Val Cys Glu Pro Leu
<210> 22
<211> 9
<212> PRT
<213> Artificial
```

<220>

```
<223> CLP-2430
<400> 22
Ser Gly Gln Ala Asn Cys Gln Gly Leu
<210> 23
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2431
<400> 23
Ala Asn Cys Gln Gly Leu Ser Pro Val
<210> 24
<211> . 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2432
<400> 24
Gly Leu Ser Pro Val Ser Val Ala Ser
<210> 25
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2433
<400> 25
Ser Val Ala Ser Lys Asn Pro Gln Val
<210> 26
<211> 9
<212> PRT .
<213> Artificial
<220>
<223> CLP-2434
```

```
<400> 26
```

```
Arg Leu Asn Lys Ser Lys Thr Asp Leu
```

- <210> 27 <211> 9
- <212> PRT <213> Artificial
- <220>
- <223> CLP-2435
- <400> 27

Asn Asp Asn Pro Asp Pro Ala Pro Leu

- <210> 28 <211> 9 <212> PRT <213> Artificial
- <220> <223> CLP-2436
- <400> 28

Asp Pro Ala Pro Leu Ser Pro Glu Leu 5

- <210> 29
- <211> 9
- <212> PRT
- <213> Artificial
- <220>

<223> CLP-2437

<400> 29

Glu Leu Gln Asp Phe Lys Cys Asn Ile 5

- <210> 30
- <211> 9 ·
- <212> PRT
- <213> Artificial
- <220>

<223> CLP-2438

<400> 30

```
SeqList(02-11-US).ST25.txt
 Gly Leu His Asn Arg Thr Arg Gln Asp
  <210> 31
  <211> 9
  <212> PRT
  <213> Artificial
  <220>
  <223> CLP-2439
  <400> 31
 Glu Leu Asp Ser Lys Ile Leu Ala Leu
 <210> 32
 <211> 9
  <212> PRT
  <213> Artificial
 <220>
 <223> CLP-2440
<400> 32
 Lys Ile Leu Ala Leu His Asn Met Val
 <210> 33
<211> 9
<212> PRT
<213> Artificial
  <220>
  <223> CLP-2441
  <400> 33
 Ala Leu His Asn Met Val Gln Phe Ser
  <210> 34
  <211> 9
  <212> PRT
  <213> Artificial
  <220>
  <223> CLP-2442
 <400> 34
 Val Asn Arg Ser Val Phe Ser Gly Val
```

```
<210> 35
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2443
<400> 35
Phe Ser Gly Val Leu Gln Asp Ile Asn
<210> 36
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2444
<400> 36
Asp Ile Asn Ser Ser Arg Pro Val Leu
<210> 37
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2445
<400> 37
Val Leu Leu Asn Gly Thr Tyr Asp Val
<210> 38
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2446
<400> 38
Phe Cys Asn Phe Thr Tyr Met Gly Asn
1
```

```
<210> 39 ·
<211> 9
 <212> PRT
 <213> Artificial
 <220>
 <223> CLP-2447
 <400> 39
 Tyr Met Gly Asn Ser Ser Thr Glu Leu
 <210> 40
<211> 9
<212> PRT
 <213> Artificial
 <220>
 <223> CLP-2448
 <400> 40
 Phe Leu Gln Thr His Pro Asn Lys Ile
                5 '.
<210> 41
<211> 9
<212> PRT
 <213> Artificial
<220>
 <223> CLP-2449
 <400> 41
 Lys Ala Ser Leu Pro Ser Ser Glu Val
               5 ·
 <210> 42
 <211> 9
 <212> PRT
 <213> Artificial
 <220> .
 <223> CLP-2450
<400> 42
Asp Leu Gly Lys Trp Gln Asp Lys Ile
 <210> 43
```

<211> 9

```
<212> PRT
<213> Artificial
<220>
<223> CLP-2451
<400> 43
Val Lys Ala Gly Asp Asp Thr Pro Val
<210> 44
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2452
<400> 44
Phe Ser Cys Glu Ser Ser Ser Leu
<210> 45
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2453
<400> 45
Lys Leu Leu Glu His Tyr Gly Lys Gln
<210> 46
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2454
<400> 46
Gly Leu Asn Pro Glu Leu Asn Asp Lys
<210> 47
<211> 9
<212> PRT
<213> Artificial
```

```
<220>
<223> CLP-2455
<400>: 47
Gly Ser Val Ile Asn Gln Asn Asp Leu
<210> 48
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2456
<400> 48
Ser Val Ile Asn Gln Asn Asp Leu Ala
<210> 49
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2457
<400> 49
Phe Cys Asp Phe Arg Tyr Ser Lys Ser
<210> 50
<211> 9 .
<212> PRT
<213> Artificial
<220>
<223> CLP-2458
<400> 50
Ser His Gly Pro Asp Val Ile Val Val
<210> 51
<211> 9
<212> PRT
<213> Artificial
```

<220>

```
<223> CLP-2459
<400> 51
Pro Leu Leu Arg His Tyr Gln Gln Leu
     . .5
<210> 52
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2460
<400> 52
Gly Leu Cys Ser Pro Glu Lys His Leu
<210> 53
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2461
<400> 53
His Leu Gly Glu Ile Thr Tyr Pro Phe
<210> 54
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2462
<400> 54
Leu Gly Glu Ile Thr Tyr Pro Phe Ala
<210> 55
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2463
```

```
<400> 55
His Cys Ala Leu Leu Leu His Leu
<210> 56
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2464
<400> 56
Ala Leu Leu Leu His Leu Ser Pro
<210> 57
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2465
<400> 57
Leu Leu Leu His Leu Ser Pro Gly
1 5
<210> 58
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2466
<400> 58
Leu Leu His Leu Ser Pro Gly Ala
1 5
<210> 59
<211> 9
```

<210> 59
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2467

<400> 59

```
SeqList(02-11-US).ST25.txt
Leu Leu His Leu Ser Pro Gly Ala Ala
<210>: 60
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2468
<400> 60
Phe Thr Thr Pro Asp Val Asp Val Leu
<210> 61
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2469
<400> 61
Thr Thr Pro Asp Val Asp Val Leu Leu
<210> 62
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2470
<400> 62
Val Leu Leu Phe His Tyr Glu Ser Val
<210> 63
<211> .9
<212> PRT
<213> Artificial
<220>
<223> CLP-2471
```

<400> 63

Phe Ile Thr Gln Val Glu Glu Ile

```
<210> 64
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2472
<400> 64
Phe Thr Ala Ala Asp Thr Gln Ser Leu
<210> 65
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2473
<400> 65
Ser Leu Leu Glu His Phe Asn Thr Val
<210> 66
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2474
<400> 66
Ser Thr Ile Lys Glu Glu Pro Lys Ile
               5 .
<210> 67
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2475
<400> 67
Lys Ile Asp Phe Arg Val Tyr Asn Leu
```

```
SeqList(02-11-US).ST25.txt
```

<400> 68

<400> 69

<220>

<210> 68 <211> 9 <212> PRT

<213> Artificial

<223> CLP-2476

Asn Leu Leu Thr Pro Asp Ser Lys Met 1 5

<210> 69 <211> 9 <212> PRT <213> Artificial <220> <223> CLP-2479

Val Thr Trp Arg Gly Ala Asp Ile Leu
1 5

<210> 70 <211> 9 <212> PRT <213> Artificial <220> <223> CLP-2480

<400> 70

Ile Leu Arg Gly Ser Pro Ser Tyr Thr 1 5

<210> 71 <211> 9 <212> PRT <213> Artificial <220> <223> CLP-2481

Tyr Thr Gln Ala Ser Leu Gly Leu Leu 1

<210> 72 <211> 9

<400> 71

<400> 72

<220>

<212> PRT

<213> Artificial

<223> CLP-2482

Ala Ser Leu Gly Leu Leu Thr Pro Val 1

<210> 73
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2483
<400> 73

Gly Leu Leu Thr Pro Val Ser Gly Thr 5

<210> 74 <211> 9 <212> PRT <213> Artificial <220> <223> CLP-2484 <400> 74

Gly Thr Gln Glu Gln Thr Lys Thr Leu

5

<210> 75
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2485
<400> 75

Lys Thr Leu Arg Asp Ser Pro Asn Val 1

<210> 76 <211> 9 <212> PRT <213> Artificial

```
<220>
<223> CLP-2486
<400> 76
His Leu Ala Arg Pro Ile Tyr Gly Leu
1 5
<210> 77
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2487
<400> 77
Pro Ile Tyr Gly Leu Ala Val Glu Thr
<210> 78
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2488
<400> 78
Leu Ala Val Glu Thr Lys Gly Phe Leu
<210> 79
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2489
<400> 79
Phe Leu Gln Gly Ala Pro Ala Gly Gly
<210> 80
<211> 9
<212> PRT
<213> Artificial
```

<220>

```
SeqList(02-11-US).ST25.txt
<223> CLP-2490
<400> 80
Ala Gly Glu Lys Ser Gly Ala Leu
<210> 81
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2491
<400> 81
Gly Ala Leu Pro Gln Gln Tyr Pro Ala
<210> 82
<211> 9
<212> PRT
<213> Artificial
<220>
```

<223> CLP-2492 <400> 82

Ala Leu Pro Gln Gln Tyr Pro Ala Ser 5

<210> 83 <211> 9 <212> PRT <213> Artificial <220> <223> CLP-2493 <400> 83

Phe Cys Ala Asn Cys Leu Thr Thr Lys

<210> 84 <211> 9 <212> PRT <213> Artificial <220> <223> CLP-2494

```
<400> 84
```

```
Ala Asn Gly Gly Tyr Val Cys Asn Ala
1 5
```

<210> 85

<211> 9

<212> PRT

<213> Artificial

<220>

<223> CLP-2495

<400> 85

Asn Ala Cys Gly Leu Tyr Gln Lys Leu 5

<210> 86

<211> 9

<212> PRT

<213>. Artificial

<220>

<223> CLP-2496 .

<400> 86

Gly Leu Tyr Gln Lys Leu His Ser Thr 1 5

<210> 87

<211> 9

<212> PRT

<213> Artificial

<220>

<223> CLP-2497

<400> 87

Lys Leu His Ser Thr Pro Arg Pro Leu 5

<210> 88

<211> 9

<212> PRT

<213> Artificial

<220>

<223> CLP-2498

<400> 88

```
SeqList(02-11-US).ST25.txt
Ser Thr Pro Arg Pro Leu Asn Ile Ile
<210>: 89
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2499
<400> 89
Arg Leu Asn Pro Glu Ala Leu Gln Ala
<210> 90
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2500
<400> 90
Val Leu Val Ser Gln Thr Leu Asp Ile
<210> 91
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2501
<400> 91
Asp Ile His Lys Arg Met Gln Pro Leu
<210> 92
<211> .9
<212> PRT
```

<213> Artificial
<220>
<223> CLP-2502
<400> 92
Arg Met Gln Pro Leu His Ile Gln Ile
1 5

```
<210> 93
 <211> 9
 <212> PRT
<213> Artificial
 <220>
 <223> CLP-2503
 <400> 93
Tyr Pro Leu Phe Gly Leu Pro Phe Val
 <210> 94
 <211> 9
 <212> PRT.
<213> Artificial
 <220>
 <223> CLP-2504
<400> 94
Gly Leu Pro Phe Val His Asn Asp Phe
 <210> 95
<211>
       9
<212> PRT
 <213> Artificial
<220>
 <223> CLP-2505
<400> 95
Phe Val His Asn Asp Phe Gln Ser Glu
              5 .
 <210> 96
 <211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2506
<400> 96
Ser Val Pro Gly Asn Pro His Tyr Leu
                5
```

```
SeqList(02-11-US).ST25.txt
<210> 97· ·
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2507
<400> 97
Gly Asn Pro His Tyr Leu Ser His Val
<210> 98
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2508
<400> 98
His Tyr Leu Ser His Val Pro Gly Leu
    5 .
<210> 99
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2509
<400> 99
Tyr Val Pro Tyr Pro Thr Phe Asn Leu
1 5
<210> 100
<211> 9 .
<212> PRT
<213> Artificial
<220> .
<223> CLP-2510
```

<210> 101 <211> 9

<400> 100

Phe Asn Leu Pro Pro His Phe Ser Ala

```
SeqList(02-11-US).ST25.txt
<212> PRT
<213> Artificial
<220>
<223> CLP-2511
<400> 101

Asn Leu Pro Pro His Phe Ser Ala Val
1 5

<210> 102
<211> 9
```

<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2512

<400> 102

Ser Ala Val Gly Ser Asp Asn Asp Ile

<210> 103
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2513

<400> 103

Lys Asn Glu Gly Pro Leu Asn Val Val

<210> 104
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2514
<400> 104

Thr Lys Cys Val His Cys Gly Ile Val

<210> 105 <211> 9 <212> PRT <213> Artificial

```
<220>
<223> CLP-2515
<400> 105
Cys Val His Cys Gly Ile Val Phe Leu
<210> 106
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2516
<400> 106
Cys Gly Ile Val Phe Leu Asp Glu Val
<210> 107
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2517
<400> 107
Phe Leu Asp Glu Val Met Tyr Ala Leu
               5
<210> 108
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2518
<400> 108
Val Met Tyr Ala Leu His Met Ser Cys
<210> 109
<211> 9
<212> PRT
<213> Artificial
<220>
```

```
<223> CLP-2519
<400> 109
Phe Gln Cys Ser Ile Cys Gln His Leu
<210> 110
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2520
<400> 110
Gly Leu His Arg Asn Asn Ala Gln Val
<210> 111
<211> 9
<212> PRT
<213> Artificial
<220> .
<223> CLP-2477
<400> 111
Lys Met Gly Glu Pro Val Ser Glu Ser
<210> 112
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2478
<400> 112
Gly Leu Lys Glu Lys Val Trp Thr Glu
<210> 113
<211> 39
<212> DNA
<213> Artificial
<220>
<223> Primer, 9616SXC
```

	111		·	25.txt	
<400> cagtac	113 ggat ccaccatggc:	cgagctgcgc	ctgaagggc		39
		•			•
-210-	114				• *
<210> <211>	114 38		. •		
<212>	DNA	•			•
	Artificial		•		
				•	
<220>		_			•
<223>	Primer, 9617SX	C ·			
<400>	114		•		
	iggat ccttaggaga	atattcqqat	ggcttgcg		
-		33			
			•		•
<210>	115		•		
<211> <212>	20 DNA				
<213>	Artificial				
	•		,		•
<220>					
<223>	Primer, 9620MC				
<400>	115				•
	gact cactataggg		•		20
	. ,				7:7
<210>	116				•
	1.0			•	
<211>	18 DNA	. 00			
<211> <212>	DNA	X)			
<211>					
<211> <212> <213>	DNA Artificial				
<211> <212> <213>	DNA				
<211><212><213><223>	DNA Artificial Primer, 9621MC				
<211><212><213><223><400>	DNA Artificial Primer, 9621MC				18
<211><212><213><223><400>	DNA Artificial Primer, 9621MC				18
<211><212><213> 220 223 400 tagaag	DNA Artificial  Primer, 9621MC  116 gcac agtcgagg				18
<211><212><213> 223 223 400	DNA Artificial  Primer, 9621MC  116 gcac agtcgagg				18
<211> <212> <213> <220> <223> <400> tagaag <210> <211>	DNA Artificial  Primer, 9621MC  116 gcac agtcgagg  117 23				18
<211><212><213> <th>DNA Artificial  Primer, 9621MC  116 gcac agtcgagg  117 23 DNA</th> <th></th> <th></th> <th></th> <th>18</th>	DNA Artificial  Primer, 9621MC  116 gcac agtcgagg  117 23 DNA				18
<211> <212> <213> <220> <223> <400> tagaag  <210> <211> <212> <213>	DNA Artificial  Primer, 9621MC  116 gcac agtcgagg  117 23				18
<211> <212> <213> <220> <223> <400> tagaag <210> <211> <212> <213> <220>	DNA Artificial  Primer, 9621MC  116 gcac agtcgagg  117 23 DNA Artificial				18
<211> <212> <213> <220> <223> <400> tagaag  <210> <211> <212> <213>	DNA Artificial  Primer, 9621MC  116 gcac agtcgagg  117 23 DNA				18
<211> <212> <213> <220> <223> <400> tagaag <210> <211> <212> <213> <222> <23>	DNA Artificial  Primer, 9621MC  116 gcac agtcgagg  117 23 DNA Artificial  Primer, 9618MC				18
<211> <212> <213> <220> <223> <400> tagaag  <210> <211> <212> <213> <400> <2400>	DNA Artificial  Primer, 9621MC  116 gcac agtcgagg  117 23 DNA Artificial  Primer, 9618MC	qaq			
<211> <212> <213> <220> <223> <400> tagaag  <210> <211> <212> <213> <400> <2400>	DNA Artificial  Primer, 9621MC  116 gcac agtcgagg  117 23 DNA Artificial  Primer, 9618MC	gag			18
<211> <212> <213> <220> <223> <400> tagaag  <210> <211> <212> <213> <400> gaaaac	DNA Artificial  Primer, 9621MC  116 gcac agtcgagg  117 23 DNA Artificial  Primer, 9618MC  117 gact tcctggcggg	gag			
<211> <212> <213> <220> <223> <400> tagaag  <210> <211> <212> <213> <400> gaaaac <210>	DNA Artificial  Primer, 9621MC  116 gcac agtcgagg  117 23 DNA Artificial  Primer, 9618MC  117 gact tcctggcggg	gag			
<211> <212> <213> <220> <223> <400> tagaag  <210> <211> <212> <213> <400> c211> <212> <213> <220> <213>	DNA Artificial  Primer, 9621MC  116 gcac agtcgagg  117 23 DNA Artificial  Primer, 9618MC  117 gact tcctggcggg	gag			
<211> <212> <213> <220> <223> <400> tagaag  <210> <211> <212> <213> <400> gaaaac <210>	DNA Artificial  Primer, 9621MC  116 gcac agtcgagg  117 23 DNA Artificial  Primer, 9618MC  117 gact tcctggcggg	gag			

<220>

22

```
<223> Primer, 9619MC
 <400> 118
gctcacccag gcgtggggcc tc
 <210> 119
 <211> 9
 <212> PRT
 <213> Artificial
<220>
<223> CLP-2599
<400> 119
Val Pro Val Pro Thr Ser Glu His Val
 <210> 120
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2602
<400> 120
Pro Thr Ser Glu His Val Ala Glu Ile
<210> 121
<211> 9
<212> PRT
<213> Artificial
<220>
 <223> CLP-2609
<400> 121
Glu Ile Val Gly Arg Gln Cys Lys Ile
               5
<210> 122
 <211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2616
```

<400> 122

# SeqList(02-11-US).ST25.txt Lys Ile Lys Ala Leu Arg Ala Lys Thr 1 5

<210> 123
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2618

<400> 123

Lys Ala Leu Arg Ala Lys Thr Asn Thr 1 5

<210> 124
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2619
<400> 124

Ala Leu Arg Ala Lys Thr Asn Thr Tyr 1

<210> 125
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2620
<400> 125

Leu Arg Ala Lys Thr Asn Thr Tyr Ile 1 5

<210> 126
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2624
<400> 126

Thr Asn Thr Tyr Ile Lys Thr Pro Val

```
<210> 127
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2627
<400> 127
Tyr Ile Lys Thr Pro Val Arg Gly Glu
<210>
      128
<211>
      9
<212> PRT
<213> Artificial
<220>
<223> CLP-2630
<400> 128
Thr Pro Val Arg Gly Glu Glu Pro Val
<210> 129
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2633
<400> 129
Arg Gly Glu Glu Pro Val Phe Met Val
              5 .
<210> 130
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2640
<400> 130
Met Val Thr Gly Arg Arg Glu Asp Val
```

```
SeqList(02-11-US).ST25.txt
  <210> 131
  <211> 9
  <212> PRT
  <213> Artificial
  <220>
  <223> CLP-2641
  <400> 131
  Val Thr Gly Arg Arg Glu Asp Val Ala
                5
  <210> 132
 <211> 9
  <212> PRT
  <213> Artificial
 <220>.
  <223> CLP-2643
  <400> 132
  Gly Arg Arg Glu Asp Val Ala Thr Ala
 <210> 133
<211> 9
<212> PRT
<213> Artificial
 <220>
  <223> CLP-2647
  <400> 133
 Asp Val Ala Thr Ala Arg Arg Glu Ile
  <210> 134
  <211> 9
 <212> PRT
  <213> Artificial
 <220>
 <223> CLP-2648
<400> 134
```

<210> 135 <211> 9

Val Ala Thr Ala Arg Arg Glu Ile Ile

```
SeqList(02-11-US).ST25.txt
<212> PRT
<213> Artificial
<220>
<223> CLP-2650
<400> 135

Thr Ala Arg Arg Glu Ile Ile Ser Ala
1 5

<210> 136
<211> 9
<212> PRT
```

<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2651

<400> 136

Ala Arg Arg Glu Ile Ile Ser Ala Ala 1 5

<210> 137 <211> 9 <212> PRT <213> Artificial <220> <223> CLP-2655 <400> 137

Ile Ile Ser Ala Ala Glu His Phe Ser 1

<210> 138
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2656

<400> 138

Ile Ser Ala Ala Glu His Phe Ser Met 1 5

<210> 139 <211> 9 <212> PRT <213> Artificial

```
<220>
<223> CLP-2657
<400>: 139
Ser Ala Ala Glu His Phe Ser Met Ile
<210> 140
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2659
<400> 140
Ala Glu His Phe Ser Met Ile Arg Ala
<210> 141
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2663
<400> 141
Ser Met Ile Arg Ala Ser Arg Asn Lys
<210> 142
<211> 9 .
<212> PRT
<213> Artificial
<220>
<223> CLP-2666
<400> 142
Arg Ala Ser Arg Asn Lys Ser Gly Ala
<210> 143
<211> 9
<212> PRT
<213> Artificial
```

<220>

```
<223> CLP-2670
 <400> 143
Asn Lys Ser Gly Ala Ala Phe Gly Val
                5
<210> 144
<211> 9
 <212> PRT
 <213> Artificial
<220>
<223> CLP-2673
<400> 144
Gly Ala Ala Phe Gly Val Ala Pro Ala
 <210> 145
<211> 9
<212> PRT
<213> Artificial
<220>
 <223> CLP-2674
<400> 145
Ala Ala Phe Gly Val Ala Pro Ala Leu
            - 5 ,
 <210> 146
 <211> 9
 <212> PRT
<213> Artificial
<220>
<223> CLP-2677
 <400> 146
Gly Val Ala Pro Ala Leu Pro Gly Gln
<210> 147
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2678
```

```
<400> 147
Val Ala Pro Ala Leu Pro Gly Gln Val
<210> 148
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2680
<400> 148
Pro Ala Leu Pro Gly Gln Val Thr Ile
    . 5
<210> 149
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2681
<400> 149
Ala Leu Pro Gly Gln Val Thr Ile Arg
<210> 150
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2682
<400> 150
Leu Pro Gly Gln Val Thr Ile Arg Val
```

<210> 151 <211> 9 <212> PRT <213> Artificial <220> <223> CLP-2684

<400> 151

```
SeqList(02-11-US).ST25.txt
 Gly Gln Val Thr Ile Arg Val Arg Val
 <210> : 152
 <211> 9
 <212> PRT
<213> Artificial
 <220>
 <223> CLP-2689
 <400> 152
 Arg Val Arg Val Pro Tyr Arg Val Val
 <210> 153
 <211> 9
<212> PRT
<213> Artificial
 <220>
 <223> CLP-2691
<400> 153
 Arg Val Pro Tyr Arg Val Val Gly Leu
 <210> 154
 <211> 9
 <212> PRT
 <213> Artificial
 <220>
 <223> CLP-2692
 <400> 154
 Val Pro Tyr Arg Val Val Gly Leu Val
 <210> 155
 <211> 9
 <212> PRT
 <213> Artificial
 <220>
 <223> CLP-2695
<400> 155
 Arg Val Val Gly Leu Val Val Gly Pro
```

```
<210> 156
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2698
<400> 156
Gly Leu Val Val Gly Pro Lys Gly Ala
               5
<210> 157
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2699
<400> 157
Leu Val Val Gly Pro Lys Gly Ala Thr
<210> 158
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2700
<400> 158
Val Val Gly Pro Lys Gly Ala Thr Ile
<210> 159
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2710
<400> 159
Arg Ile Gln Gln Thr Asn Thr Tyr
```

```
SeqList(02-11-US).ST25.txt
<210> 160
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2711
<400> 160

Ile Gln Gln Gln Thr Asn Thr Tyr Ile
1 5
```

<210> 161
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2712
<400> 161

Gln Gln Gln Thr Asn Thr Tyr Ile Ile 1

<210> 162 <211> 9 <212> PRT <213> Artificial <220> <223> CLP-2713

<400> 162 .

Gln Gln Thr Asn Thr Tyr Ile Ile Thr

<210> 163
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2718
<400> 163

Tyr Ile Ile Thr Pro Ser Arg Asp Arg 1

<210> 164 <211> 9

```
<212> PRT
 <213> Artificial
 <220>
 <223> CLP-2721
 <400> 164
 Thr Pro Ser Arg Asp Arg Asp Pro Val
 <210> 165
 <211> 9
 <212> PRT
 <213> Artificial
 <220>
 <223> CLP-2724
 <400> 165
 Arg Asp Arg Asp Pro Val Phe Glu Ile
 <210> 166
 <211> 9
 <212> PRT
 <213> Artificial
 <220>
 <223> CLP-2731
 <400> 166
 Glu Ile Thr Gly Ala Pro Gly Asn Val
 <210> 167
<211> 9
<212> PRT
<213> Artificial
 <220>
<223> CLP-2734
 <400> 167
Gly Ala Pro Gly Asn Val Glu Arg Ala
 <210> 168
 <211> 9
 <212> PRT
 <213> Artificial
```

```
<220>
<223> CLP-2738
<400>: 168 .
Asn Val Glu Arg Ala Arg Glu Glu Ile
<210> 169
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2744
<400> 169
Glu Glu Ile Glu Thr His Ile Ala Val
<210> 170
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2746
<400> 170
Ile Glu Thr His Ile Ala Val Arg Thr
<210> 171
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2749
<400> 171
His Ile Ala Val Arg Thr Gly Lys Ile
<210> 172
<211> 9
<212> PRT
<213> Artificial
```

<220>

```
<223> CLP-2750
<400> 172
Ile Ala Val Arg Thr Gly Lys Ile Leu
              5
<210> 173
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2756
<400> 173
Lys Ile Leu Glu Tyr Asn Asn Glu Asn
<210> 174
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2760
<400> 174
Tyr Asn Asn Glu Asn Asp Phe Leu Ala
1 5
<210> 175
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2762
<400> 175
Asn Glu Asn Asp Phe Leu Ala Gly Ser
<210> 176
<211> 9
<212> PRT .
<213> Artificial
<220>
<223> CLP-2766
```

```
<400> 176
Phe Leu Ala Gly Ser Pro Asp Ala Ala
<210> 177
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2767
<400> 177
Leu Ala Gly Ser Pro Asp Ala Ala Ile
<210> 178
<211> 9
<212> PRT
<213> Artificial
<220>
<220>
<223> CLP-2774
<400> 178
Ala Ile Asp Ser Arg Tyr Ser Asp Ala
<210> 179
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2777
<400> 179
Ser Arg Tyr Ser Asp Ala Trp Arg Val
              5
```

<210> 180 <211> 9 <212> PRT <213> Artificial <220> <223> CLP-2785

<400> 180

```
SeqList(02-11-US).ST25.txt
 Val His Gln Pro Gly Cys Lys Pro Leu
 <210> 181
 <211> 9
 <212> PRT
 <213> Artificial
 <220>
 <223> CLP-2793
 <400> 181
 Leu Ser Thr Phe Arg Gln Asn Ser Leu
 <210> 182
 <211> 9
 <212> PRT
 <213> Artificial
 <220>
 <223> CLP-2801
<400> 182
 Leu Gly Cys Ile Gly Glu Cys Gly Val
 <210> 183
 <211> 9
 <212> PRT
 <213> Artificial
 <220>
 <223> CLP-2807
 <400> 183
 Cys Gly Val Asp Ser Gly Phe Glu Ala
 <210> 184
 <211> 9
 <212> PRT
 <213> Artificial
 <220>
 <223> CLP-2812
<400> 184
 Gly Phe Glu Ala Pro Arg Leu Asp Val
```

```
<210> 185
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2817
<400> 185
Arg Leu Asp Val Tyr Tyr Gly Val Ala
<210> 186
<211> 9
<212> PRT.
<213> Artificial
<220>
<223> CLP-2819
<400> 186
Asp Val Tyr Tyr Gly Val Ala Glu Thr
<210> 187
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2823
<400> 187
Gly Val Ala Glu Thr Ser Pro Pro Leu
               5
<210> 188
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2825
<400> 188
Ala Glu Thr Ser Pro Pro Leu Trp Ala
                5
```

```
<210> 189
 <211> 9
<212> PRT
<213> Artificial
 <220>
<223> CLP-2830
 <400> 189
Pro Leu Trp Ala Gly Gln Glu Asn Ala
<210> 190
<211> 9
<212> PRT
<213> Artificial
<220>.
<223> CLP-2833
<400> 190 .
Ala Gly Gln Glu Asn Ala Thr Pro Thr
        5
<210> 191
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2835
<400> 191
Gln Glu Asn Ala Thr Pro Thr Ser Val
<210> 192
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2843
<400> 192
Val Leu Phe Ser Ser Ala Ser Ser Ser
```

<210> 193 <211> 9

<212> PRT <213> Artificial <220> <223> CLP-2857 <400> 193 Lys Ala Arg Ala G

Lys Ala Arg Ala Gly Pro Pro Gly Ala 1 5

<210> 194 <211> 9 <212> PRT <213> Artificial <220> <223> CLP-2869 <400> 194

Pro Ala Thr Ser Ala Gly Pro Glu Leu 1 5

<210> 195
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2870
<400> 195

Ala Thr Ser Ala Gly Pro Glu Leu Ala

<210> 196 <211> 9 <212> PRT <213> Artificial <220> <223> CLP-2872 <400> 196

Ser Ala Gly Pro Glu Leu Ala Gly Leu 1 5

<210> 197 <211> 9 <212> PRT <213> Artificial

```
<220>
<223> CLP-2879
<400>: 197
Gly Leu Pro Arg Arg Pro Pro Gly Glu
<210> 198
<211> . 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2887
<400> 198
Glu Pro Leu Gln Gly Phe Ser Lys Leu
<210>
       199
<211>
       9
      PRT
<212>
<213>
      Artificial
<220>
<223> CLP-2892
<400> 199
Phe Ser Lys Leu Gly Gly Gly Leu
<210> 200
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2894
<400> 200
Lys Leu Gly Gly Gly Leu Arg Ser
<210> 201
<211>
      9
<212> PRT
<213> Artificial
<220>
```

```
SeqList(02-11-US).ST25.txt
<223> CLP-2899
<400> 201
Gly Leu Arg Ser Pro Gly Gly Gly Arg
<210> 202
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2909
<400> 202
Cys Met Val Cys Phe Glu Ser Glu Val
            - 5
<210> 203
<211> 9
<212> PRT
<213> Artificial
<220> '.
<223> CLP-2910
<400> 203
Met Val Cys Phe Glu Ser Glu Val Thr
<210> 204
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2911
<400> 204
Val Cys Phe Glu Ser Glu Val Thr Ala
<210> 205
<211> 9
<212> PRT
<213> Artificial
<220>
```

<223> CLP-2913

```
<400> 205
Phe Glu Ser Glu Val Thr Ala Ala Leu
<210> 206
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2916
<400> 206
Glu Val Thr Ala Ala Leu Val Pro Cys
<210> 207
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2917
<400> 207
Val Thr Ala Ala Leu Val Pro Cys Gly
1 5
<210> 208
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2920
<400> 208
Ala Leu Val Pro Cys Gly His Asn Leu
<210> 209
<211> 9
```

<212> PRT <213> Artificial <220> <223> CLP-2921 <400> 209

```
SeqList(02-11-US).ST25.txt
Leu Val Pro Cys Gly His Asn Leu Phe
<210> : 210
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2922
<400> 210
Val Pro Cys Gly His Asn Leu Phe Cys
<210> 211
<211>. 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2927
<400> 211
Asn Leu Phe Cys Met Glu Cys Ala Val
<210> 212
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2929
<400> 212
Phe Cys Met Glu Cys Ala Val Arg Ile
<210> 213
<211> 9
<212> PRT
<213> Artificial
<220>
<223> CLP-2933
<400> 213
```

Cys Ala Val Arg Ile Cys Glu Arg Thr

```
<210> 214
 <211> 9
 <212> PRT
<213> Artificial
 <220>
<223> CLP-2936
<400> 214
Arg Ile Cys Glu Arg Thr Asp Pro Glu
<210> 215
 <211> 9
 <212> PRT
 <213> Artificial
<220>
 <223> CLP-2940
 <400> 215
Arg Thr Asp Pro Glu Cys Pro Val Cys
 <210> 216
<211> 9
<212> PRT
 <213> Artificial
 <220>
 <223> CLP-2945
<400> 216
Cys Pro Val Cys His Ile Thr Ala Thr
                5
 <210> 217
 <211> 9 .
<212> PRT
 <213> Artificial
 <220>
<223> CLP-2947
<400> 217
Val Cys His Ile Thr Ala Thr Gln Ala
```

<210> 218
<211> 9
<212> PRT
<213> Artificial

<220>
<223> CLP-2950

<400> 218

Ile Thr Ala Thr Gln Ala Ile Arg Ile